MacLellan
Polymers to Industry

Data Sheet	D001 Gylon® PTFE Diaphragm
Data Sheet Type	Final
Material Reference	D001
Polymer	PTFE
Date Issued	30/08/25

Description

For Metering Pumps, Diverting Valves, Pressure Sensors, Pressure Regulators & Double Diaphragm Pumps. Reduced Void Content results in less permeation, increased life, reduced potential for cross-contamination of process media as well as reducing costs and improved energy savings. Increased Flexibility results in more time between changeovers, decreased labour and contamination costs, increase reliability and up-time as well as the protection of downstream equipment. Conforms to USP Class VI Chapter 87 & 88, USP Parts 31,281 and 661, TSE Free.

Specifications	Values	Test Methods
Clean in Place(CIP) up to	149 °C Maximum	None
Compression	20-25 %	ASTM F36
Highest Recommended Working Temperature	260 °C Maximum	None
Pressure	800 PSI Maximum	None
Recovery	50 %	ASTM D792
Sterilization in Place(SIP) Up to	149 °C Maximum	None

Purposes


Acid Resistance


Chemical Resistant


Food Contact Suitability


Oil Resistance


Potable Water Suitability

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.